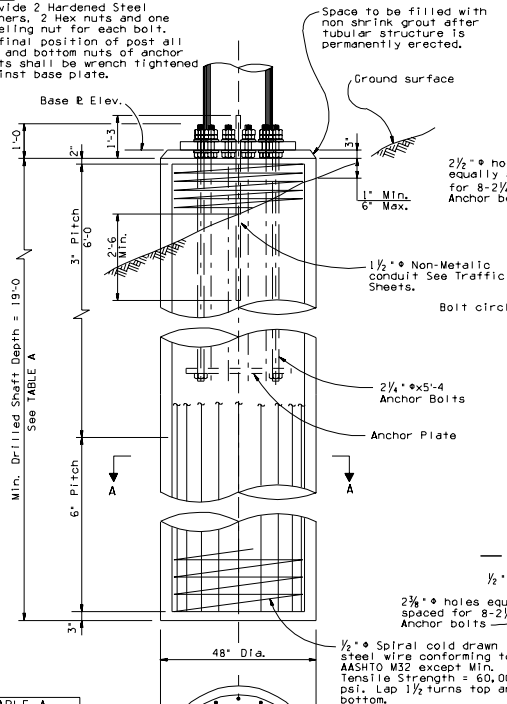


NOTE:
Provide 2 Hardened Steel washers, 2 Hex nuts and one Leveling nut for each bolt.
At final position of post all top and bottom nuts of anchor bolts shall be wrench tightened against base plate.

FED. AID REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.				

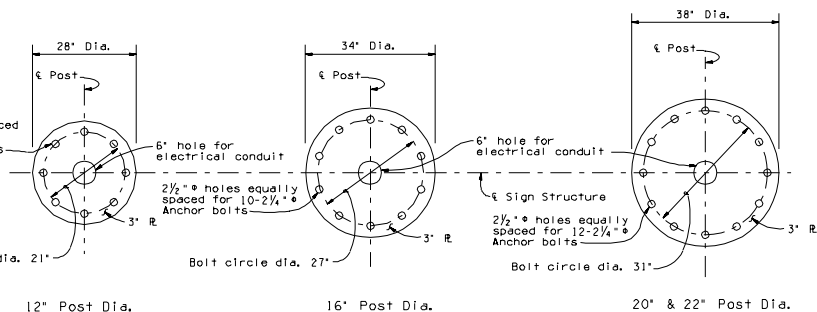


SECTION A-A

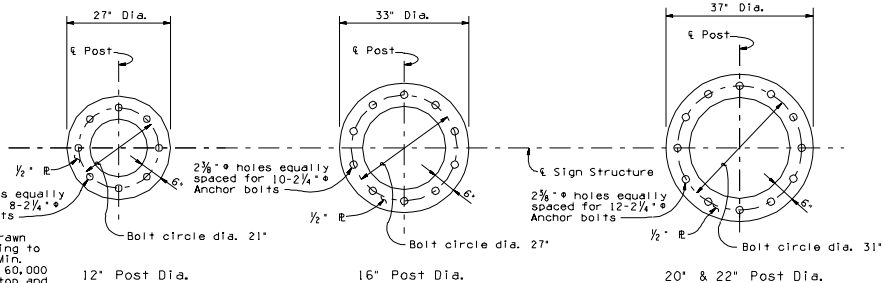
DRILLED SHAFT DETAILS

TABLE A	
Max. Slope	'X'
8:1	0'
6:1	1'
4:1	2'
2:1	4'
1 1/2:1	5'
1:1	8'

Drilled Shaft Depth shall be adjusted for ground slope. Add value of 'X' in Table 'A' to the DRILLED SHAFT DEPTH to obtain total length of shaft.



BASE PLATE DETAILS



ANCHOR PLATE DETAILS

NOTE:

All anchor bolts shall conform to ASTM A36 Specifications. The upper 1'-0" shall be threaded and the upper 1'-2" galvanized in accordance with the requirements of ASTM A153.

Drilled shaft shall be class 'S' concrete and placed against undisturbed material or compacted embankment.

Provide bolt template during installation of anchor bolts.

The bolt template shall be fabricated of 1/4" thick (Min.) steel plate, similar to anchor plate details, and shall be match drilled to each base plate.

Drilled shafts shall be formed 6" Min. below ground surface. Compacted backfill shall be in place prior to erecting post.

DESIGN APPROVED <i>James R. Ryan</i>		ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION BRIDGE GROUP STRUCTURE DETAIL	
CHECKED BY <i>Thomas Owen</i>		TUBULAR SIGN STRUCTURES TUBULAR FRAME FOUNDATION DETAILS	
ROUTE	LOCATION	SHEET NO. SD 9.20 (20fs)	
TRACS NO.		OF	